

NOV 08 2001



SITE MONITORING AUGUST 2001

SHARON TRADING POST SHARON, VERMONT

6 NOVEMBER 2001

SCIENTISTS
ENGINEERS
GIS SPECIALISTS

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Prepared for:

ROB ROMEO
SHARON, VERMONT

Prepared by:

MARIN
ENVIRONMENTAL, INC.
RICHMOND, VERMONT

990074r02

INTERNET:
WWW.MARINENV.COM

MARIN

ENVIRONMENTAL

6 November 2001

Mr. Rob Romeo
Sharon Trading Post
P.O. Box 70
Sharon, VT 05065

Re: *Site Monitoring Report – August 2001*
Sharon Trading Post, Sharon, VT (SMS # 99-2705)

Dear Mr. Romeo

This report summarizes the findings of the August 2001 site monitoring event conducted at Sharon Trading Post, located along Route 14, in Sharon, Vermont (Figure 1).

Background

The site monitoring performed in August 2001 was intended to determine if petroleum contamination observed during the removal of two-4,000 gallon gasoline underground storage tanks (USTs) and one-500 gallon kerosene UST was still present in the off site soil pile and if the onsite water supply well had been impacted. The investigation has been designed to fulfill objectives outlined by the Vermont Department of Environmental Conservation (VT DEC) in a letter to Bradford Oil Company dated 23 December 1999. This work was conducted in accordance with Marin's work plan dated 23 January 2001, approved by Mr. Chuck Schwer of the VT DEC on 19 February 2001.

Findings

- *Supply Well Sampling and Analysis*

The on-site water supply for Sharon Trading Post was sampled for Volatile Organic Compounds (VOCs) by EPA Method 8021B and Total Petroleum Hydrocarbons (TPHs) by EPA Method 8015 Diesel Range Organics (DRO).

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The samples were collected directly into 40 milliliter (ml) VOA vials and transported under chain-of-custody in an ice-filled cooler to Endyne, Inc, Williston, VT. According to the analytical results, no exceedances were reported in either the EPA Method 8021B or the EPA Method 8015 DRO. Laboratory report forms and the chain of custody are included in Attachment A.

The water sample was collected directly from the tap in the on-site building. The water was run for approximately 15 minutes prior to sample collection. A trip blank sample was collected and analyzed for VOCs by EPA Method 802Bb to ensure that adequate quality assurance/quality control (QA/QC) standards were maintained. No VOCs were detected in the trip blank.

- ***Off Site Soil Stockpile Monitoring***

Photoionization (PID) readings on samples collected from the soil stockpile, which is located at the Bradford Sand Pits, were < 1 parts per million (ppm) (Attachment B). Soil samples were collected from hand auger borings throughout the depths of the soil pile. The stockpile encapsulation was found to be non-existent. A sketch map of the soil stockpile is included in Attachment B.

Each sample was placed into a polyethylene bag, which was sealed, agitated, and allowed to equilibrate prior to headspace screening. PID readings were measured using a PE Photovac Model 2020 PID, which was calibrated with isobutylene to a benzene reference.

Recommendations

Since the stockpile sampled in August 2001 meet the VT DEC criteria, soil samples recorded as < 1ppm, for preparing to thin spread, confirmatory soil samples should be collected for laboratory analysis of this stockpile in accordance with the Guideline Document. Two discrete soil samples should be collected from the soil pile and submitted for VOCs using EPA Method 8021B and TPH gasoline-range organics using EPA Method 8015. If contaminant concentrations fall below the corresponding VGES (substituting micrograms per kilogram (µg/kg) for ug/L), and TPHs are less than 1,000 milligrams per kilogram (mg/kg), the soils may be thin-spread at the Bradford Sand Pits, and request a Site Management Activities Completed (SMAC) petition for the site, pending approval from the VT DEC Waste Management Division (WMD). Soils not thin-spread will need to be disposed of at a WMD-approved location.

Mr. Rob Romco
Sharon Trading Post

6 November 2001
Page 3

Please call me if you have any questions or concerns regarding the enclosed information or recommendations.

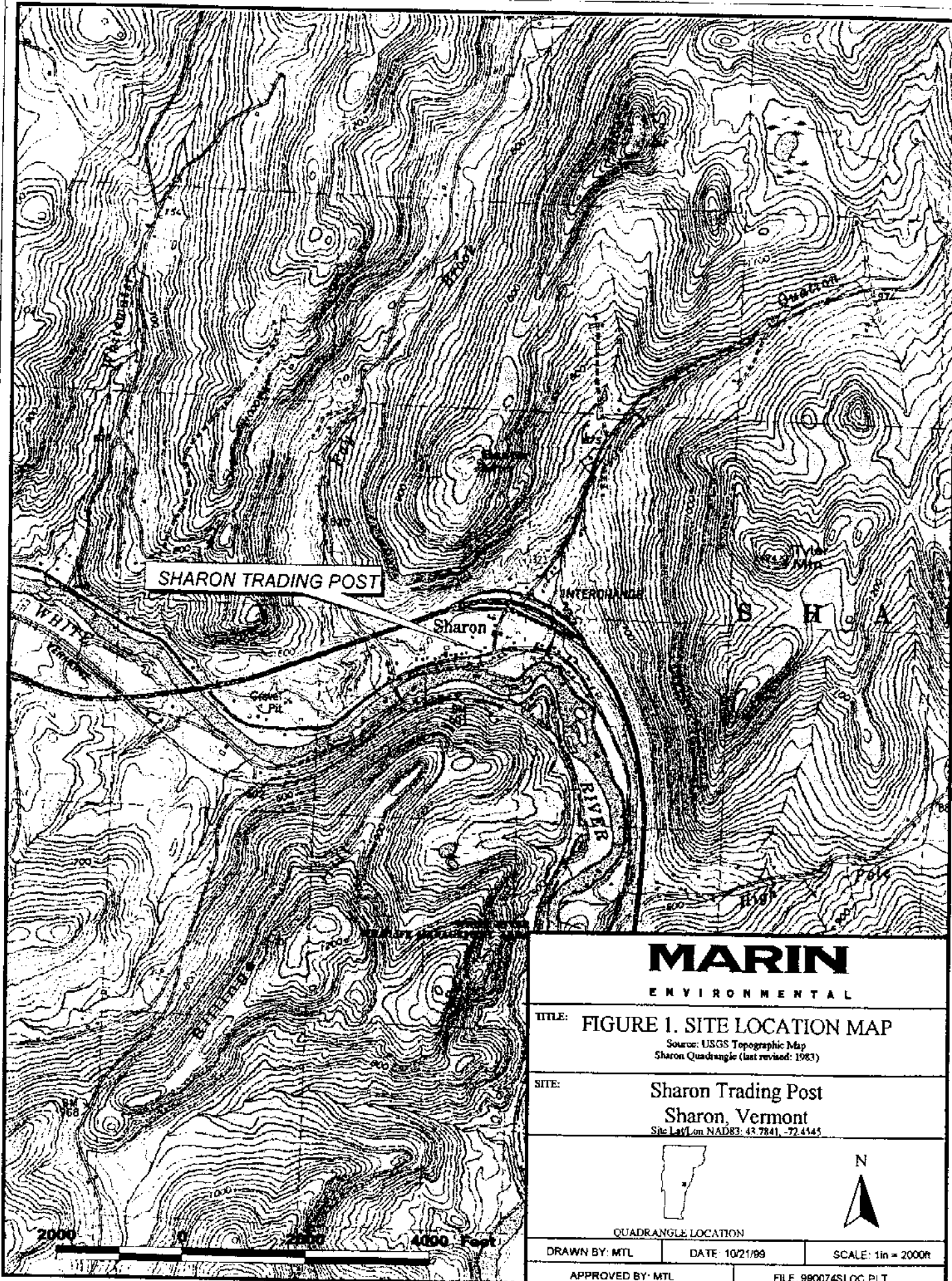
Sincerely,
Marin Environmental, Inc.

A handwritten signature in black ink, appearing to read "Heather LaDuke". The signature is fluid and cursive, with the first name "Heather" written in a larger, more prominent script than the last name "LaDuke".

Heather LaDuke
Sr. Field Scientist

hl/990074r02.doc
attachments

cc: Andrew Shively, VT DEC
Gene Pushee, Bradford Oil

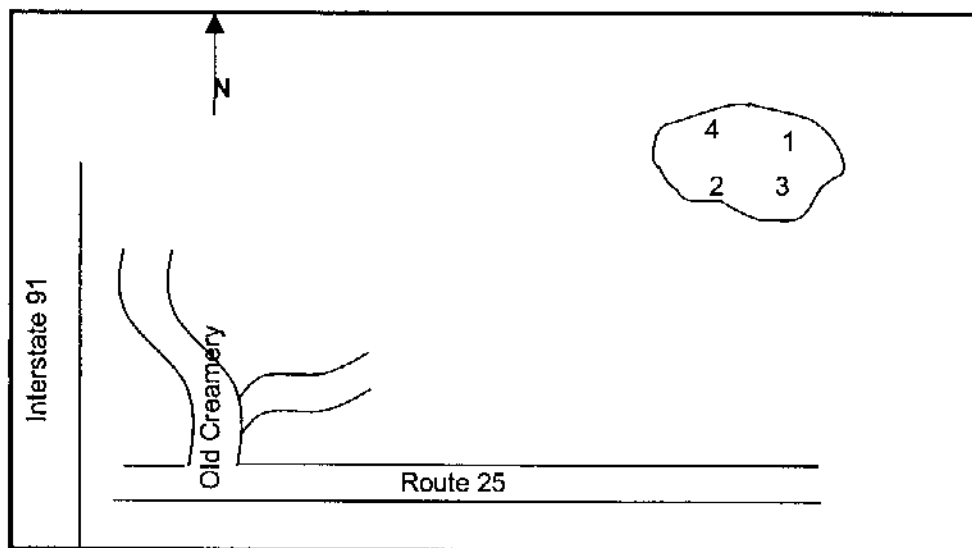


**Sharon Trading Post
PID Readings**

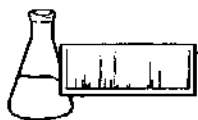
13 August 2001

Sample Location	Depth(ft) Composite Sample	PID Reading (ppm)
1	0-3.5	0.0
2	0-3.5	0.0
3	0-3.5	0.0
4	0-3.5	0.0
		0.0

Sketch Map of Soil Stockpile



Note: Sample locations are approximate
Drawing not to scale



ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

Marin Environmental
73 Millet Street
Richmond, VT 05477
Attn: Heather Laduke

PROJECT: Sharon Trading Post/VT99-0074
ORDER ID: 13897
RECEIVE DATE: August 13, 2001
REPORT DATE: August 29, 2001

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

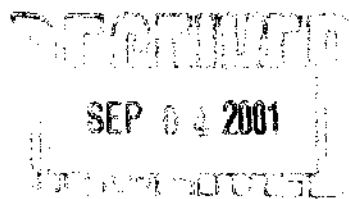
Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures





ENDYNE, INC.

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

CLIENT: Marin Environmental

ORDER ID: 13897

PROJECT: Sharon Trading Post/VT99-0074

DATE RECEIVED: August 13, 2001

REPORT DATE: August 29, 2001

SAMPLER: JM

ANALYST: 128

Ref. Number: 179302

Site: Tap

Date Sampled: August 13, 2001

Time: 11:15 AM

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>Analysis Date</u>
TPH 8015 DRO	< 0.40	mg/L	SW 8015B	8/25/01



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LABORATORY REPORT

Marin Environmental
73 Millet Street
Richmond, VT 05477
Attn: Heather Laduke

PROJECT: Sharon Trading Post/VT99-0074
ORDER ID: 13897
RECEIVE DATE: August 13, 2001
REPORT DATE: August 21, 2001

Enclosed please find the results of the analyses performed for the samples referenced on the attached chain of custody. Different groups of analyses may be reported under separate cover.

All samples were prepared and analyzed by requirements outlined in the referenced methods and within the specified holding times.

All instrumentation was calibrated with the appropriate frequency and verified by the requirements outlined in the referenced methods.

Blank contamination was not observed at levels affecting the analytical results.

Analytical method precision and accuracy was monitored by laboratory control standards which include matrix spike, duplicate and quality control analyses. These standards were determined to be within established laboratory method acceptance limits, unless otherwise noted.

Reviewed by,

Harry B. Locker, Ph.D.
Laboratory Director

enclosures

RECEIVED
AUG 21 2001
LABORATORY



— **ENDYNE, INC.**

Laboratory Services

160 James Brown Drive
Williston, Vermont 05495
(802) 879-4333
FAX 879-7103

LABORATORY REPORT

CLIENT: Marin Environmental
PROJECT: Sharon Trading Post/VT99-0074
REPORT DATE: August 21, 2001

ORDER ID: 13897
DATE RECEIVED: August 13, 2001
SAMPLER: JM
ANALYST: 725

Ref. Number: 179302

Site: Tap

Date Sampled: August 13, 2001 Time: 11:15 AM

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>Analysis Date</u>
MTBE	< 1.0	ug/L	SW 8260	8/17/01
Benzene	< 1.0	ug/L	SW 8260	8/17/01
Toluene	< 1.0	ug/L	SW 8260	8/17/01
Ethylbenzene	< 1.0	ug/L	SW 8260	8/17/01
Xylenes, Total	< 1.0	ug/L	SW 8260	8/17/01
1,3,5 Trimethyl Benzene	< 1.0	ug/L	SW 8260	8/17/01
1,2,4 Trimethyl Benzene	< 1.0	ug/L	SW 8260	8/17/01
Naphthalene	< 1.0	ug/L	SW 8260	8/17/01
UIP's	0.		SW 8260	8/17/01
Surrogate 1	95.0%	%	SW 8260	8/17/01

Ref. Number: 179303

Site: T.B.

Date Sampled: August 13, 2001 Time: 11:00 AM

<u>Parameter</u>	<u>Result</u>	<u>Unit</u>	<u>Method</u>	<u>Analysis Date</u>
MTBE	< 1.0	ug/L	SW 8260	8/17/01
Benzene	< 1.0	ug/L	SW 8260	8/17/01
Toluene	< 1.0	ug/L	SW 8260	8/17/01
Ethylbenzene	< 1.0	ug/L	SW 8260	8/17/01
Xylenes, Total	< 1.0	ug/L	SW 8260	8/17/01
1,3,5 Trimethyl Benzene	< 1.0	ug/L	SW 8260	8/17/01
1,2,4 Trimethyl Benzene	< 1.0	ug/L	SW 8260	8/17/01
Naphthalene	< 1.0	ug/L	SW 8260	8/17/01
UIP's	0.		SW 8260	8/17/01
Surrogate 1	97.0%	%	SW 8260	8/17/01